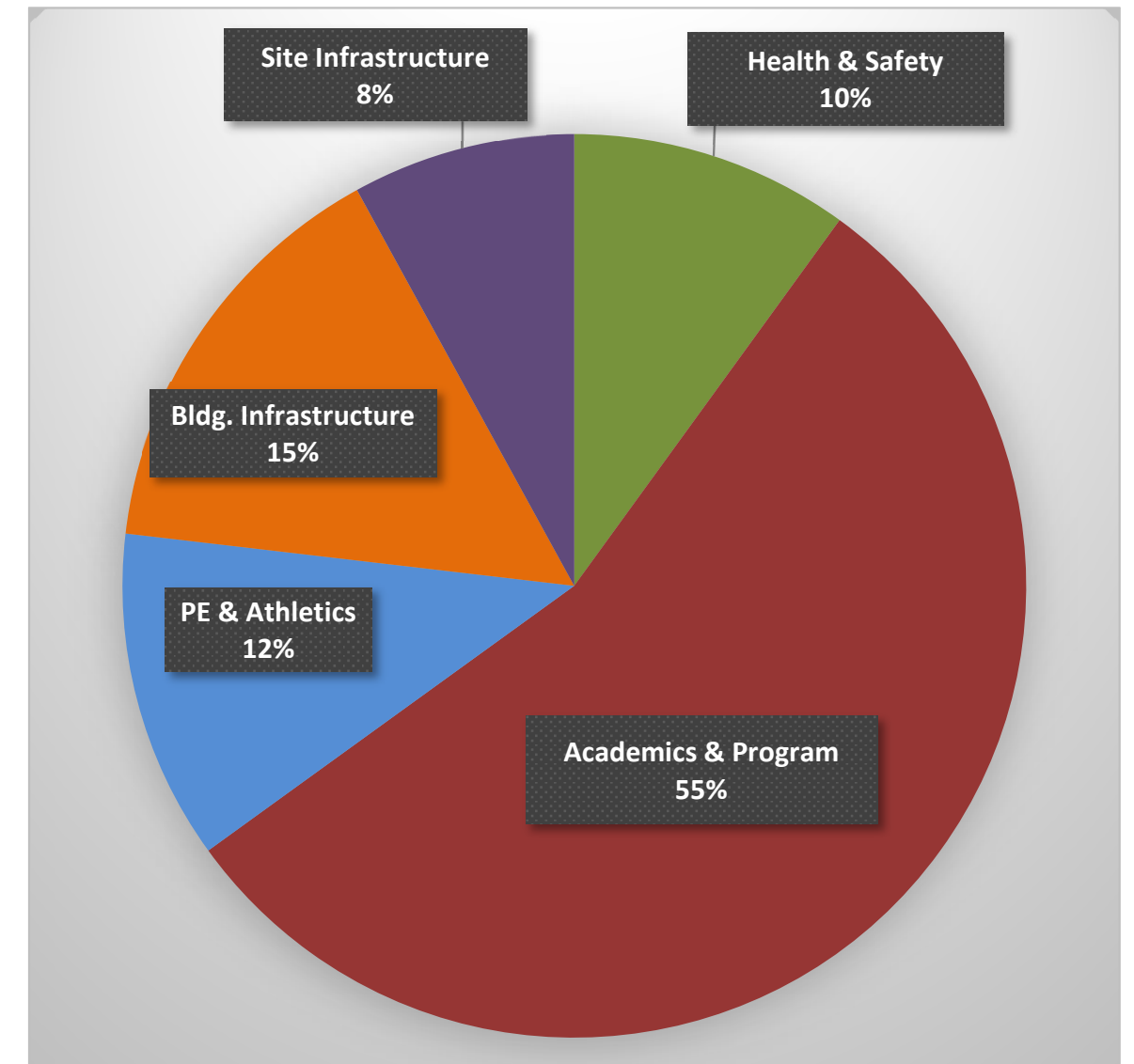


Ichabod Crane Central School District
2018 Capital Project Preliminary Estimate

Health & Safety	Total Cost	Phase 1	Phase 2	Deferred
	\$ 2,015,000	\$ 1,646,600	\$ 368,400	\$ -
Academics & Program	Total Cost	Phase 1	Phase 2	Deferred
	\$ 14,936,400	\$ 9,082,800	\$ 5,853,600	\$ -
Physical Education & Athletics	Total Cost	Phase 1	Phase 2	Deferred
	\$ 5,356,800	\$ 1,950,000	\$ 2,970,000	\$ 436,800
Building Infrastructure	Total Cost	Phase 1	Phase 2	Deferred
	\$ 13,598,100	\$ 2,501,000	\$ 5,400,900	\$ 5,696,200
Site Infrastructure	Total Cost	Phase 1	Phase 2	Deferred
	\$ 4,064,400	\$ 1,318,800	\$ 1,398,000	\$ 1,347,600
	Total Cost	PHASE 1	PHASE 2	DEFERRED
	\$ 39,970,700	\$ 16,499,200	\$ 15,990,900	\$ 7,480,600
PROPOSED ENERGY PERFORMANCE CONTRACT		\$ (1,500,000)		
TOTAL PROPOSED PHASE 1 REFERENDUM		\$ 14,999,200		

PHASE 1 PROJECT FINANCIAL ALLOCATION



Ichabod Crane Central School District
2018 Capital Project Preliminary Estimate



As of June 15, 2018

CAT-BLDG-#	Prev #	CATEGORY	QTY.	UNIT	UNIT COST	SUBTOTAL	ITEM COST	PRIORITY	PHASE 1	PHASE 2	DEFERRED
CAT-BLDG-#	Prev #	HEALTH & SAFETY	Quantity	Unit	Unit Cost	Subtotal	Item Cost	Priority	PHASE 1	PHASE 2	DEFERRED
		High School									
HS-HS-01	A22	Provide Security Glazing Film at Entry Vestibule	1	LS	N/A	\$ 5,000	\$ 6,000	1	\$ 6,000	-	-
HS-HS-02	A23	Provide Security Transaction Window & Drawer	1	LS	N/A	\$ 9,000	\$ 10,800	1	\$ 10,800	-	-
HS-HS-03*	A15	Interior- Replace Wood Doors & Hardware in 100, 200 & 300-Wing, including Safety Gla	60	EA	\$ 2,300	\$ 138,000	\$ 165,600	1	\$ 165,600	-	-
HS-HS-04	M06	Mechanical- Replace Kitchen Hood/ Exhaust System	1	LS	N/A	\$ 94,000	\$ 112,800	2	-	\$ 112,800	-
		Subtotal- High School					\$ 295,200		\$ 182,400	\$ 112,800	\$ -
		Middle School									
HS-MS-01	A33	Provide Security Glazing Film at Entry Vestibule	1	LS	N/A	\$ 8,000	\$ 9,600	1	\$ 9,600	-	-
HS-MS-02	A34	Provide Security Transaction Window & Drawer	1	LS	N/A	\$ 9,000	\$ 10,800	1	\$ 10,800	-	-
HS-MS-03		Enclose/Secure Middle School Cafeteria	1	LS	N/A	\$ 90,000	\$ 108,000	1	\$ 108,000	-	-
HS-MS-04*	A07	Replace Windows at Offices	720	SF	\$ 80	\$ 57,600	\$ 69,100	1	\$ 69,100	-	-
HS-MS-05*	M07	Mechanical- Update Exhaust & Dust Collection System	1	LS	N/A	\$ 19,000	\$ 22,800	1	\$ 22,800	-	-
HS-MS-06	M11	Mechanical- Replace Kitchen Hood and replace ANSUL System	1	LS	N/A	\$ 150,000	\$ 180,000	2	-	\$ 180,000	-
HS-MS-07*	S08	Replace Asphalt Sidewalks with Conc. at Bus Loop & South Lot	12,000	SF	N/A	\$ 300,000	\$ 360,000	1	\$ 360,000	-	-
HS-MS-08*	S09	Replace Asphalt Sidewalks with Conc. at East of Bldg to Playfields	500	SF	N/A	\$ 300,000	\$ 360,000	1	\$ 360,000	-	-
HS-MS-09*	S10	Replace Basketball Equipment at Playground	1	LS	N/A	\$ 33,000	\$ 39,600	1	\$ 39,600	-	-
HS-MS-10*	S13	Provide Handicapped Parking with Signage at South Parking Lot	1	LS	N/A	\$ 5,000	\$ 6,000	1	\$ 6,000	-	-
HS-MS-11*	S14	Provide Accessible Sidewalks to Playfields	1	LS	N/A	\$ 29,000	\$ 34,800	1	\$ 34,800	-	-
HS-MS-31	E11	Electrical- Replace Fire Alarm System w/ Addressable System	1	LS	N/A	\$ 158,000	\$ 189,600	1	\$ 189,600	-	-
		Subtotal- Middle School					\$ 1,390,300		\$ 1,210,300	\$ 180,000	\$ -
		Primary School									
HS-PS-01	A13	Provide Security Glazing Film at Entry Vestibule	1	LS	N/A	\$ 8,000	\$ 9,600	1	\$ 9,600	-	-
HS-PS-02	A14	Provide Security Transaction Window & Drawer	1	LS	N/A	\$ 9,000	\$ 10,800	1	\$ 10,800	-	-
HS-PS-03*	A08	Interior- Provide Renovations to Nurse Toilet Rooms for ADA Compliance	1	LS	N/A	\$ 20,000	\$ 24,000	1	\$ 24,000	-	-
HS-PS-04	M03	Mechanical- Replace Kitchen Hood and Provide ANSUL System	2	EA	\$ 31,500	\$ 63,000	\$ 75,600	2	-	\$ 75,600	-
HS-PS-05	S08	Provide Handicapped Parking with Signage at Main and North Parking Lots	1	LS	N/A	\$ 4,000	\$ 4,800	1	\$ 4,800	-	-
HS-PS-23	E12	Electrical- Replace Fire Alarm System w/ Addressable System	1	LS	N/A	\$ 69,000	\$ 82,800	1	\$ 82,800	-	-
		Subtotal- Primary School					\$ 207,600		\$ 132,000	\$ 75,600	\$ -
		Maintenance Building									
HS-MB-01*	A04	Interior- Replace Ceramic Tile Flooring	1	LS	N/A	\$ 4,000	\$ 4,800	1	\$ 4,800	-	-
HS-MB-02*	A06	Interior- Replace Door Hardware	1	LS	N/A	\$ 9,000	\$ 10,800	1	\$ 10,800	-	-
		Subtotal- Maintenance Building					\$ 15,600		\$ 15,600	\$ -	\$ -
		Bus Garage									
HS-BG-01*	A04	Exterior- Replace Windows	70	EA	\$ 180	\$ 12,600	\$ 15,100	1	\$ 15,100	-	-
HS-BG-02*	A08	Interior- Replace Lockers	1	LS	N/A	\$ 4,000	\$ 4,800	1	\$ 4,800	-	-
HS-BG-03*	A09	Interior- Renovate Toilet Rooms for ADA-Compliance		LS	N/A	\$ 72,000	\$ 86,400	1	\$ 86,400	-	-
HS-BG-04	S02	Provide Handicapped Parking with Signage. Provide Accessible Sidewalks to Playfields	1	LS	N/A	\$ 13,000	\$ 15,600	1	\$ 15,600	-	-
		Subtotal- Bus Garage					\$ 106,300		\$ 106,300	\$ -	\$ -
SUBTOTAL - HEALTH & SAFETY							\$ 1,679,200	\$ 2,015,000	\$ 1,646,600	\$ 368,400	\$ -

Ichabod Crane Central School District
2018 Capital Project Preliminary Estimate



As of June 15, 2018

CAT-BLDG-#	Prev #	CATEGORY	QTY.	UNIT	UNIT COST	SUBTOTAL	ITEM COST	PRIORITY	PHASE 1	PHASE 2	DEFERRED
CAT-BLDG-#	Prev #	ACADEMICS & PROGRAM	Quantity	Unit	Unit Cost	Subtotal	Item Cost	Priority	PHASE 1	PHASE 2	DEFERRED
		<u>High School</u>									
AP-HS-01	A21	Renovate Science Classrooms/Labs	10,300	SF	\$ 200	\$ 2,060,000	\$ 2,472,000	1	\$ 2,472,000	-	-
AP-HS-02		High School STEAM (Math) Renovations	6,700	SF	\$ 150	\$ 1,005,000	\$ 1,206,000	1	\$ 1,206,000	-	-
AP-HS-03		High School STEAM (Technology) Renovations, incl. Corridor	5,300	SF	\$ 160	\$ 848,000	\$ 1,017,600	1	\$ 1,017,600	-	-
AP-HS-04		High School Technology Addition	2,600	SF	\$ 250	\$ 650,000	\$ 780,000	1	\$ 780,000	-	-
AP-HS-05		Guidance/Counseling Suite Renovations	1,500	SF	\$ 150	\$ 225,000	\$ 270,000	1	\$ 270,000	-	-
AP-HS-06		High School Large Group Instruction Room	1,500	SF	\$ 180	\$ 270,000	\$ 324,000	2	-	\$ 324,000	-
		Subtotal- High School					\$ 6,069,600		\$ 5,745,600	\$ 324,000	\$ -
		<u>Middle School</u>									
AP-MS-01	A30	Renovate/Update 100-Wing Classroom "Pod" Area, Begin Phased Approach	15,200	SF	\$ 180	\$ 2,736,000	\$ 3,283,200	1	\$ 3,283,200	-	-
AP-MS-02	A31	Renovate/Update 200-Wing Classroom "Pod" Area	12,800	SF	\$ 180	\$ 2,304,000	\$ 2,764,800	2	-	\$ 2,764,800	-
AP-MS-03	A32	Renovate/Update 300-Wing Classroom "Pod" Area	12,800	SF	\$ 180	\$ 2,304,000	\$ 2,764,800	2	-	\$ 2,764,800	-
		Subtotal- Middle School					\$ 8,812,800		\$ 3,283,200	\$ 5,529,600	\$ -
		<u>Primary School</u>									
AP-PS-01		Provide Sound System at Cafeteria/Gymnasium	1	LS	\$ 45,000	\$ 45,000	\$ 54,000	1	\$ 54,000	-	-
		Subtotal- Primary School					\$ 54,000		\$ 54,000	\$ -	\$ -
		SUBTOTAL - ACADEMICS & PROGRAM				\$ 12,402,000	\$ 14,936,400		\$ 9,082,800	\$ 5,853,600	\$ -

CAT-BLDG-#	Prev #	PHYSICAL EDUCATION & ATHLETICS	Quantity	Unit	Unit Cost	Subtotal	Item Cost	Priority	PHASE 1	PHASE 2	DEFERRED
		<u>High School</u>									
PE-HS-01	S12	Provide Synthetic Turf at Multi-Purpose Field (Inside Track)	1	LS	N/A	\$ 1,300,000	\$ 1,560,000	1	\$ 1,560,000	-	-
PE-HS-02	S13	Provide Bleachers at Multi-Purpose Field	1,000	EA	\$ 250	\$ 250,000	\$ 300,000	1	\$ 300,000	-	-
		Subtotal- High School					\$ 1,860,000		\$ 1,860,000	\$ -	\$ -
		<u>Middle School</u>									
PE-MS-01	A16	Replace Wood Flooring at Both Gymnasiums	9,600	SF	\$ 30	\$ 288,000	\$ 345,600	3	-	-	\$ 345,600
PE-MS-02	A20	Replace Lockers at Locker Rooms	250	EA	\$ 300	\$ 75,000	\$ 90,000	1	\$ 90,000	-	-
PE-MS-03	A24	Replace BB Backstops at Gymnasium	8	EA	\$ 5,000	\$ 40,000	\$ 48,000	3	-	-	\$ 48,000
PE-MS-04	A25	Replace Scoreboards at Gymnasium	2	EA	\$ 18,000	\$ 36,000	\$ 43,200	3	-	-	\$ 43,200
PE-MS-05	A29	Renovate/Expand Gymnasiums	9,900	SF	\$ 250	\$ 2,475,000	\$ 2,970,000	2	-	\$ 2,970,000	-
		Subtotal- Middle School					\$ 3,496,800		\$ 90,000	\$ 2,970,000	\$ 436,800
		SUBTOTAL - PHYSICAL EDUCATION & ATHLETICS				\$ 4,464,000	\$ 5,356,800		\$ 1,950,000	\$ 2,970,000	\$ 436,800

Ichabod Crane Central School District
2018 Capital Project Preliminary Estimate



As of June 15, 2018

CAT-BLDG-#	Prev #	CATEGORY	QTY.	UNIT	UNIT COST	SUBTOTAL	ITEM COST	PRIORITY	PHASE 1	PHASE 2	DEFERRED
CAT-BLDG-#	Prev #	BUILDING INFRASTRUCTURE	Quantity	Unit	Unit Cost	Subtotal	Item Cost	Priority	PHASE 1	PHASE 2	DEFERRED
		High School									
IN-HS-01	A01	Exterior- Brick Re-Pointing at 300-Wing Courtyard & Music Suite	5,000	SF	\$ 18	\$ 90,000	\$ 108,000	3	-	-	\$ 108,000
IN-HS-02	A02	Exterior- Scrape & Clean Steel Lintels	100	LF	\$ 50	\$ 5,000	\$ 6,000	2	-	\$ 6,000	-
IN-HS-03	A03	Exterior- Replace Damaged Areas of EIFS at 100 & 200-Wing	500	SF	\$ 32	\$ 16,000	\$ 19,200	3	-	-	\$ 19,200
IN-HS-04	A04	Exterior- Replace Damaged Metal Fascia Panels at West Side of Building	500	SF	\$ 94	\$ 47,000	\$ 56,400	3	-	-	\$ 56,400
IN-HS-05	A05	Exterior- Brick Re-Pointing at Boiler Room Chimney	450	LS	\$ 18	\$ 8,100	\$ 9,700	3	-	-	\$ 9,700
IN-HS-06	A06	Exterior- Remove HM Door/Frame at Courtyard, Infill with Wall Construction	1	EA	\$ 7,000	\$ 7,000	\$ 8,400	3	-	-	\$ 8,400
IN-HS-07	A07	Exterior- Replace Windows at 300-Wing, inc. Interior Window Treatments	1,250	SF	\$ 180	\$ 225,000	\$ 270,000	3	-	-	\$ 270,000
IN-HS-08	A08	Exterior- Replace Windows at 100 & 200 Wing	2,562	SF	\$ 180	\$ 461,160	\$ 553,400	2	-	\$ 553,400	-
IN-HS-09	A09	Exterior- Roof Replacement- Replace Wet Areas and Re-Coat at 100-Wing	94,000	SF	\$ 4	\$ 329,000	\$ 394,800	1	\$ 394,800	-	-
IN-HS-10	A10	Exterior- Replace Failing Soffits	1,000	SF	\$ 25	\$ 25,000	\$ 30,000	2	-	\$ 30,000	-
		Subtotal- Exterior Buidling Improvements @ High School					\$ 1,455,900		\$ 394,800	\$ 589,400	\$ 471,700
IN-HS-11	A11	Interior- Replace Carpet at Offices, Auditorium & Music Practice Room	100	SY	\$ 60	\$ 6,000	\$ 7,200	3	-	-	\$ 7,200
IN-HS-12	A13	Interior- Replace VAT Flooring with VCT in Storage Room 5.33	100	SF	\$ 20	\$ 2,000	\$ 2,400	3	-	-	\$ 2,400
IN-HS-13	A13	Interior- Repair Damaged Terrazzo Flooring at Lobby, Caf� & Gym Entry	200	SF	\$ 25	\$ 5,000	\$ 6,000	3	-	-	\$ 6,000
IN-HS-14	A16	Interior- Re-Paint Hollow Metal Doors at Storage Rooms & Custodial Closets	1	LS	\$ 10,000	\$ 10,000	\$ 12,000	3	-	-	\$ 12,000
IN-HS-15	A17	Interior- Replace Ceilings at 300 & 400-Wing and Cafeteria	20,000	SF	\$ 9	\$ 180,000	\$ 216,000	2	-	\$ 216,000	-
IN-HS-16	A18	Interior- Replace Lockers at 300-Wing	200	EA	\$ 250	\$ 50,000	\$ 60,000	1	\$ 60,000	-	-
IN-HS-17	A19	Interior- Replace Casework at 100, 200 & 300-Wing Classrooms	800	LF	\$ 210	\$ 168,000	\$ 201,600	3	-	-	\$ 201,600
		Subtotal- Interior Buidling Improvements @ High School					\$ 505,200		\$ 60,000	\$ 216,000	\$ 229,200
IN-HS-18	M01	Mechanical- Replace AHU & Air Conditioning Unit at Main Office	1	LS	\$ 13,000	\$ 13,000	\$ 15,600	2	-	\$ 15,600	-
IN-HS-19	M02	Mechanical- Replace Unit Ventilators at 300 & 400-Wing, Include Controls Replacement	12	EA	\$ 9,400	\$ 112,800	\$ 135,400	1	\$ 135,400	-	-
IN-HS-20	M03	Mechanical- Replace Steam Boiler with Natural Gas/Propane, High Efficiency Boilers	1	LS	N/A	\$ 391,000	\$ 469,200	1	\$ 469,200	-	-
IN-HS-21	M04	Mechanical- Replace Failing Heat Exchangers	2	EA	\$ 25,000	\$ 50,000	\$ 60,000	1	\$ 60,000	-	-
IN-HS-22	M05	Mechanical- Replace Window Air Conditioners at Rooms 215 & 217 with Ductless Split U	2	EA	\$ 3,500	\$ 7,000	\$ 8,400	3	-	-	\$ 8,400
IN-HS-24	M07	Mechanical- Provide Cleaning of Ductwork	1	LS	N/A	\$ 19,000	\$ 22,800	3	-	-	\$ 22,800
IN-HS-25	M08	Mechanical- Upgrade HVAC Controllers, Replace Pneumatic at 300 & 400-Wing & Main	1	LS	N/A	\$ 13,000	\$ 15,600	1	\$ 15,600	-	-
IN-HS-26	M09	Mechanical- Replace Pneumatic Controls at 300 & 400-Wing	1	LS	N/A	\$ 63,000	\$ 75,600	1	\$ 75,600	-	-
		Subtotal- Mechanical Improvements @ High School					\$ 802,600		\$ 755,800	\$ 15,600	\$ 31,200
IN-HS-27	E01	Electrical- Additional Receptacles at Classrooms in 100 & 200-Wing Classrooms	200	EA	\$ 450	\$ 90,000	\$ 108,000	3	-	-	\$ 108,000
IN-HS-28	E02	Electrical- Replace Breaker Panels for Boiler Room and Shop	6	EA	\$ 7,500	\$ 45,000	\$ 54,000	2	-	\$ 54,000	-
IN-HS-29	E03	Electrical- Provide an Emergency Generator, Assume 750KW	750	EA	\$ 425	\$ 318,750	\$ 382,500	3	-	-	\$ 382,500
IN-HS-30	E04	Electrical- Replace Lighting Rack for Auditorium/Stage	1	LS	N/A	\$ 63,000	\$ 75,600	3	-	-	\$ 75,600
IN-HS-31	E05	Electrical- Upgrade Switches to Support Technology Changes	1	LS	N/A	\$ 157,000	\$ 188,400	3	-	-	\$ 188,400
IN-HS-32	E07	Electrical- Perform an Arc Flash Study	1	LS	N/A	\$ 12,000	\$ 14,400	3	-	-	\$ 14,400
IN-HS-33	E08	Electrical- Replace Classroom & Office Lighting with LED Fixtures	33,000	SF	\$ 6	\$ 198,000	\$ 237,600	3	-	-	\$ 237,600
IN-HS-34	E09	Electrical- Replace Corridor Lighting with LED Fixtures	10,000	SF	\$ 6	\$ 60,000	\$ 72,000	3	-	-	\$ 72,000
IN-HS-35	E10	Electrical- Provide Occupancy Sensors	75	EA	\$ 900	\$ 67,500	\$ 81,000	3	-	-	\$ 81,000
IN-HS-36	E11	Electrical- Replace Cafeteria Sound System	1	LS	N/A	\$ 38,000	\$ 45,600	3	-	-	\$ 45,600
IN-HS-37	E12	Electrical- Provide Classroom Audio System for Teacher Amplification	55	ea	\$ 3,500	\$ 192,500	\$ 231,000	3	-	-	\$ 231,000
		Subtotal- Electrical Improvements @ High School					\$ 1,490,100		\$ -	\$ 54,000	\$ 1,436,100

Ichabod Crane Central School District
2018 Capital Project Preliminary Estimate



As of June 15, 2018

CAT-BLDG-#	Prev #	CATEGORY	QTY.	UNIT	UNIT COST	SUBTOTAL	ITEM COST	PRIORITY	PHASE 1	PHASE 2	DEFERRED
IN-HS-38	P01	Plumbing- Provide Backflow Preventer and Flood Prevention at Water Service	1	LS	N/A	\$ 53,000	\$ 63,600	2	-	\$ 63,600	-
IN-HS-39	P02	Plumbing- Replace Galv. Water Main From Meter, Crawlspace Under 100-Wing	1	LS	N/A	\$ 344,000	\$ 412,800	1	\$ 412,800	-	-
IN-HS-40	P03	Plumbing- Replace Valves with Ball Valves	1	LS	N/A	\$ 15,000	\$ 18,000	1	\$ 18,000	-	-
IN-HS-41	P04	Plumbing- Replace Hose Bibbs With Vacuum Breaking Units	2	EA	\$ 2,000	\$ 4,000	\$ 4,800	3	-	-	\$ 4,800
		Subtotal- Plumbing Improvements @ High School					\$ 499,200		\$ 430,800	\$ 63,600	\$ 4,800
		Middle School									
IN-MS-01	A01	Provide Backfill at Concrete Piers and Infill Cracked Foundations	1	LS	N/A	\$ 38,000	\$ 45,600	3	-	-	\$ 45,600
IN-MS-02	A02	Re-Point Masonry at West Side of Building	400	SF	\$ 20	\$ 8,000	\$ 9,600	3	-	-	\$ 9,600
IN-MS-03	A03	Rake Out and Re-Seal Masonry Control Joints	300	LF	\$ 40	\$ 12,000	\$ 14,400	3	-	-	\$ 14,400
IN-MS-04	A04	Re-Caulk (PCB) Around Windows	1	LS	N/A	\$ 10,000	\$ 12,000	3	-	-	\$ 12,000
IN-MS-05	A05	Remove & Replace Asbestos Stone Aggregate Panels	11,340	LS	\$ 50	\$ 567,000	\$ 680,400	2	-	\$ 680,400	-
IN-MS-06	A06	Brick Re-Pointing at Boiler Room Chimney	50	SF	\$ 20	\$ 1,000	\$ 1,200	3	-	-	\$ 1,200
IN-MS-07	A08	Re-Coat Spray Foam Roof Area	116,000	SF	\$ 15	\$ 1,740,000	\$ 2,088,000	2	-	\$ 2,088,000	-
IN-MS-08	A09	Replace Wet Areas of Roof Insulation	8,200	SF	\$ 4	\$ 28,700	\$ 34,400	2	-	\$ 34,400	-
IN-MS-09	A10	Replace Failing Soffits	500	SF	\$ 64	\$ 32,000	\$ 38,400	3	-	-	\$ 38,400
IN-MS-10	A11	Re-Caulk Fascia Panels and Roof Edge	1	LS	N/A	\$ 36,000	\$ 43,200	3	-	-	\$ 43,200
		Subtotal- Exterior Building Improvements @ Middle School					\$ 2,967,200		\$ -	\$ 2,802,800	\$ 164,400
IN-MS-11	A12	Repair Settlement Cracks at Chorus Room	1	LS	N/A	\$ 38,000	\$ 45,600	3	-	-	\$ 45,600
IN-MS-12	A14	Replace Isolated Areas of Damaged Classroom & Corridor Flooring w/ VCT or Rubber	600	SF	\$ 12	\$ -	\$ -	0	-	-	-
IN-MS-13	A15	Replace/Repair Terrazzo Floor- Grind & Provide Epoxy Topping	800	SF	\$ 19	\$ -	\$ -	0	-	-	-
IN-MS-14	A18	Replace 2x4 Suspended Grid ACM Ceilings in Kitchen with New Ceiling System	1,500	SF	\$ 16	\$ 24,000	\$ 28,800	1	\$ 28,800	-	-
IN-MS-15	A19	Replace GWB Ceilings at Locker Rooms	400	SF	\$ 18	\$ 7,000	\$ 8,400	2	-	\$ 8,400	-
IN-MS-16	A22	Replace Casework at Art & Technology Shop	650	SF	\$ 225	\$ 146,250	\$ 175,500	3	-	-	\$ 175,500
IN-MS-17	A23	Replace Kitchen Equipment- Requires Programming, Replacement For Age and Operatic	1	LS	N/A	\$ 625,000	\$ 750,000	3	-	-	\$ 750,000
IN-MS-18	A26	Replace Curtains and Rigging at Stage	1	LS	N/A	\$ 63,000	\$ 75,600	3	-	-	\$ 75,600
		Subtotal- Interior Building Improvements @ Middle School					\$ 1,083,900		\$ 28,800	\$ 8,400	\$ 1,046,700
IN-MS-19	M01	Mechanical- Replace PTAC Unit in Administration Area with VAV or Split Condensing Ur	1	LS	N/A	\$ 60,000	\$ 72,000	2	-	\$ 72,000	-
IN-MS-20	M02	Mechanical- Replace AHU at Cafeteria & Kitchen	1	LS	N/A	\$ 32,000	\$ 38,400	2	-	\$ 38,400	-
IN-MS-21	M03	Mechanical- Replace HVAC Equipment at Library	1	LS	N/A	\$ 32,000	\$ 38,400	2	-	\$ 38,400	-
IN-MS-22	M04	Mechanical- Replace HVAC Equipment at LGI	1	LS	N/A	\$ 32,000	\$ 38,400	2	-	\$ 38,400	-
IN-MS-23	M05	Mechanical- Replace Oil Fired Cast Iron Boiler with Natural Gas/Propane, High Efficiency	1	LS	N/A	\$ 350,000	\$ 420,000	1	\$ 420,000	-	-
IN-MS-24	M06	Mechanical- Replace 5-Ton RTU and 7-Ton RTU at IT Room	1	LS	N/A	\$ 32,000	\$ 38,400	3	-	-	\$ 38,400
IN-MS-25	M08	Mechanical- Provide Cleaning of Ductwork	1	LS	N/A	\$ 94,000	\$ 112,800	3	-	-	\$ 112,800
IN-MS-26	M09	Mechanical- Upgrade HVAC Controllers- Replace Network, Backnet & Network Devices	1	LS	N/A	\$ 175,000	\$ 210,000	1	\$ 210,000	-	-
IN-MS-27	M10	Mechanical- Upgrade Fire Alarm System	1	LS	N/A	\$ 126,000	\$ 151,200	3	-	-	\$ 151,200
		Subtotal- Mechanical Improvements @ Middle School					\$ 1,119,600		\$ 630,000	\$ 187,200	\$ 302,400
IN-MS-28	E05	Electrical- Upgrade Switches to Support Technology Changes	1	LS	N/A	\$ 140,000	\$ 168,000	3	-	-	\$ 168,000
IN-MS-29	E07	Electrical- Perform an Arc Flash Study	1	LS	N/A	\$ 12,000	\$ 14,400	3	-	-	\$ 14,400
IN-MS-30	E10	Electrical- Provide Classroom Audio System for Teacher Amplification	55	EA	\$ 3,760	\$ 206,800	\$ 248,200	3	-	-	\$ 248,200
		Subtotal- Electrical Improvements @ Middle School					\$ 430,600		\$ -	\$ -	\$ 430,600
IN-MS-31	P01	Plumbing- Provide Backflow Preventer at Water Service	1	LS	N/A	\$ 19,000	\$ 22,800	1	\$ 22,800	-	-
IN-MS-32	P02	Plumbing- Replace Valves with Ball Valves	1	LS	N/A	\$ 10,000	\$ 12,000	1	\$ 12,000	-	-
		Subtotal- Plumbing Improvements @ Middle School					\$ 34,800		\$ 34,800	\$ -	\$ -
		Primary School									
IN-PS-01	A01	Exterior- Replace Sealant Under Roof Eaves	1,850	LF	\$ 9	\$ 16,650	\$ 20,000	3	-	-	\$ 20,000

Ichabod Crane Central School District
2018 Capital Project Preliminary Estimate



As of June 15, 2018

CAT-BLDG-#	Prev #	CATEGORY	QTY.	UNIT	UNIT COST	SUBTOTAL	ITEM COST	PRIORITY	PHASE 1	PHASE 2	DEFERRED
IN-PS-02	A02	Exterior- Re-Point Masonry Around Building	5,000	SF	\$ 18	\$ 90,000	\$ 108,000	3	-	-	\$ 108,000
IN-PS-03	A03	Exterior- Remove Abandoned Chimney, inc. abatement	1	LS	N/A	\$ 157,000	\$ 188,400	3	-	-	\$ 188,400
IN-PS-04	A04	Exterior- Replace FRP Doors & Frames	3	EA	\$ 10,000	\$ 30,000	\$ 36,000	1	\$ 36,000	-	-
Subtotal- Exterior Building Improvements @ Primary School							\$ 352,400		\$ 36,000	\$ -	\$ 316,400
IN-PS-05	A05	Interior- Replace Ceiling at Kitchen	928	SF	\$ 9	\$ 8,352	\$ 10,000	1	\$ 10,000	-	-
IN-PS-06	A06	Interior- Replace VAT Flooring & Base in Classrooms	28,000	SF	\$ 20	\$ 560,000	\$ 672,000	2	-	\$ 672,000	-
IN-PS-07	A09	Interior- Replace Casework at Classrooms	620	LF	\$ 225	\$ 139,500	\$ 167,400	3			\$ 167,400
IN-PS-08	A10	Interior- Replace Kitchen Equipment	1	LS		\$ 438,000	\$ 525,600	3			\$ 525,600
IN-PS-09	A11	Interior- Replace Operable Partition in Cafeteria	1	LS		\$ 150,000	\$ 180,000	3			\$ 180,000
IN-PS-10	A12	Interior- Renovate Faculty Toilet Rooms for ADA Compliance	1	LS		\$ 100,000	\$ 120,000	3			\$ 120,000
Subtotal- Interior Building Improvements @ Primary School							\$ 1,675,000		\$ 10,000	\$ 672,000	\$ 993,000
IN-PS-11	M01	Mechanical- Upgrade Controls for RTU at Kitchen and Cafeteria	1	LS	N/A	\$ 7,000	\$ 8,400	1	\$ 8,400	-	-
IN-PS-12	M02	Mechanical- Add Air Conditioning to UVs at Library	2	EA	\$ 4,000	\$ 8,000	\$ 9,600	2	-	\$ 9,600	-
IN-PS-13	M04	Mechanical- Provide Cleaning of Ductwork	1	LS	N/A	\$ 7,000	\$ 8,400	3	-	-	\$ 8,400
IN-PS-14	M05	Mechanical- Upgrade Controllers	1	LS	N/A	\$ 13,000	\$ 15,600	1	\$ 15,600	-	-
Subtotal- Mechanical Improvements @ Primary School							\$ 42,000		\$ 24,000	\$ 9,600	\$ 8,400
IN-PS-15	E01	Electrical- Add Additional Electrical Receptacles at Classrooms	55	EA	\$ 450	\$ 24,750	\$ 29,700	3	-	-	\$ 29,700
IN-PS-16	E02	Electrical- Replace Circuit Breaker Panels	6	EA	\$ 7,500	\$ 45,000	\$ 54,000	1	\$ 54,000	-	-
IN-PS-17	E03	Electrical- Perform Arc Flash Study	1	LS	N/A	\$ 12,000	\$ 14,400	3	-	-	\$ 14,400
IN-PS-18	E05	Electrical- Replace Stage Lighting System with LED	1	LS	N/A	\$ 85,000	\$ 102,000	2	-	\$ 102,000	-
IN-PS-19	E06	Electrical- Upgrade Switches to Support Technology Changes	1	LS	N/A	\$ 69,000	\$ 82,800	3	-	-	\$ 82,800
IN-PS-20	E08	Electrical- Upgrade Classroom Lighting to LED Fixtures	1	LS	N/A	\$ 180,000	\$ 216,000	2	-	\$ 216,000	-
IN-PS-21	E10	Electrical- Provide Occupancy Sensors	35	EA	\$ 1,000	\$ 35,000	\$ 42,000	2	-	\$ 42,000	-
IN-PS-22	E11	Electrical- Provide Classroom Audio System for Teacher Amplification	32	EA	\$ 3,500	\$ 112,000	\$ 134,400	3	-	-	\$ 134,400
Subtotal- Electrical Improvements @ Primary School							\$ 675,300		\$ 54,000	\$ 360,000	\$ 261,300

Ichabod Crane Central School District
2018 Capital Project Preliminary Estimate



As of June 15, 2018

CAT-BLDG-#	Prev #	CATEGORY	QTY.	UNIT	UNIT COST	SUBTOTAL	ITEM COST	PRIORITY	PHASE 1	PHASE 2	DEFERRED
IN-PS-23	P01	Plumbing- Provide Backflow Preventer at Water Service	1	LS	N/A	\$ 19,000	\$ 22,800	2	-	\$ 22,800	-
		Subtotal- Plumbing Improvements @ Primary School					\$ 22,800		\$ -	\$ 22,800	\$ -
		Maintenance Building									
IN-MB-01	A01	Exterior- Replace Exterior Doors/Frames with FRP	5	EA	\$ 10,000	\$ 50,000	\$ 60,000	2	-	\$ 60,000	-
		Subtotal- Exterior Building Improvements @ Maintenance Building					\$ 60,000		\$ -	\$ 60,000	\$ -
IN-MB-02	A02	Interior- Replace Carpet	1	LS	N/A	\$ 5,000	\$ 6,000	2	-	\$ 6,000	-
IN-MB-03	A03	Interior- Replace VCT at Break Room	1	LS	N/A	\$ 3,000	\$ 3,600	2	-	\$ 3,600	-
IN-MB-04	A05	Interior- Replace Lockers	1	LS	N/A	\$ 2,000	\$ 2,400	2	-	\$ 2,400	-
		Subtotal- Interior Building Improvements @ Maintenance Building					\$ 12,000		\$ -	\$ 12,000	\$ -
IN-MB-05	E01	Electrical- Provide 35KW Gas Standby Generator	35	LS	\$ 425	\$ 14,875	\$ 17,900	2	-	\$ 17,900	-
		Subtotal- Electrical Improvements @ Maintenance Building					\$ 17,900		\$ -	\$ 17,900	\$ -
		Bus Garage									
IN-BG-01	A01	Exterior- Replace Damaged/Rusted Exterior Siding Around Building & Re-Seal openings	1	LS	N/A	\$ 156,000	\$ 187,200	2	-	\$ 187,200	-
IN-BG-02	A03	Exterior- Replace All Exterior Doors & Hardware	1	LS	N/A	\$ 30,000	\$ 36,000	1	\$ 36,000	-	-
		Subtotal- Exterior Building Improvements @ Bus Garage					\$ 223,200		\$ 36,000	\$ 187,200	\$ -
IN-BG-03	A05	Interior- Replace Interior Partition at Driver's Room & Office	1	LS	N/A	\$ 19,000	\$ 22,800	2	-	\$ 22,800	-
IN-BG-04	A06	Interior- Provide Painting at Bay Walls	1	LS	N/A	\$ 13,000	\$ 15,600	2	-	\$ 15,600	-
IN-BG-05	A07	Interior- Replace 1x1 Ceiling System at Mechanic's Room, 200 sq.ft.	1	LS	N/A	\$ 3,000	\$ 3,600	2	-	\$ 3,600	-
		Subtotal- Interior Building Improvements @ Bus Garage					\$ 42,000		\$ -	\$ 42,000	\$ -
IN-BG-06	E01	Electrical- Provide 50KW Gas Standby generator	1	LS	N/A	\$ 67,000	\$ 80,400	2	-	\$ 80,400	-
		Subtotal- Electrical Improvements @ Bus Garage					\$ 80,400		\$ -	\$ 80,400	\$ -
IN-BG-07	P01	Plumbing- Provide Backflow Preventer at Water Service	1	LS	N/A	\$ 3,000	\$ 3,600	1	\$ 3,600	-	-
IN-BG-08	P02	Plumbing- Provide ADA-Compliant Drinking Fountains	1	LS	N/A	\$ 2,000	\$ 2,400	1	\$ 2,400	-	-
		Subtotal- Plumbing Improvements @ Bus Garage					\$ 6,000		\$ 6,000	\$ -	\$ -
SUBTOTAL - BUILDING INFRASTRUCTURE						\$ 11,331,687	\$ 13,598,100		\$ 2,501,000	\$ 5,400,900	\$ 5,696,200

Ichabod Crane Central School District
2018 Capital Project Preliminary Estimate



As of June 15, 2018

CAT-BLDG-#	Prev #	CATEGORY	QTY.	UNIT	UNIT COST	SUBTOTAL	ITEM COST	PRIORITY	PHASE 1	PHASE 2	DEFERRED
CAT-BLDG-#	Prev #	SITE INFRASTRUCTURE	Quantity	Unit	Unit Cost	Subtotal	Item Cost	Priority	PHASE 1	PHASE 2	DEFERRED
		High School									
SW-HS-01	S01	Replace Site Sanitary System, 1956 Septic System at Front of Building	1	LS	N/A	\$ 350,000	\$ 420,000	2	-	\$ 420,000	-
SW-HS-02	S02	Replace 15,000 gal. Below Ground Fuel Tank with Propane Tank	1	LS	N/A	\$ 225,000	\$ 270,000	1	\$ 270,000	-	-
SW-HS-03	S04	Asphalt Pavement Improvements at North Parking Lot- Provide Light Duty Overlay	3,500	SY	\$ 120	\$ 420,000	\$ 504,000	3	-	-	\$ 504,000
SW-HS-04	S05	Asphalt Pavement Improvements at Entrance Drive from US Highway 9- Replace Heavy	810	SY	N/A	\$ 81,000	\$ 97,200	3	-	-	\$ 97,200
SW-HS-05	S06	Asphalt Pavement Improvements at Pick-Up/Drop-Off Lanes- Replace Heavy Duty Pavin	1,500	SY	N/A	\$ 150,000	\$ 180,000	2	-	\$ 180,000	-
SW-HS-06	S07	Replace Concrete Curbs Near Main Entrance	200	LF	N/A	\$ 5,000	\$ 6,000	2	-	\$ 6,000	-
SW-HS-07	S08	Replace Concrete Sidewalks at North Side of Building	300	SY	N/A	\$ 19,000	\$ 22,800	2	-	\$ 22,800	-
SW-HS-08	S09	Replace Poles at Parking Lot Light Fixtures	1	LS	N/A	\$ 49,000	\$ 58,800	2	-	\$ 58,800	-
SW-HS-09	S10	Replace Fence Posts at Tennis Courts	1	LS	N/A	\$ 3,000	\$ 3,600	3	-	-	\$ 3,600
SW-HS-10	S11	Provide Site Reconfiguration- Connection Drive Thru Entire Campus	1	LS	N/A	\$ 345,000	\$ 414,000	1	\$ 414,000	-	-
		Subtotal- High School					\$ 1,976,400		\$ 684,000	\$ 687,600	\$ 604,800
		Middle School									
SW-MS-01	S01	Drain & Remove Abandoned 500 gal. Propane Tank	1	LS	N/A	\$ 10,000	\$ 12,000	2	-	\$ 12,000	-
SW-MS-02	S02	Replace Stormwater Management System	1	LS	N/A	\$ 125,000	\$ 150,000	1	\$ 150,000	-	-
SW-MS-03	S03	Asphalt Pavement Improvements/Re-Configuration at Main Parking Lot, Light Duty	4,000	SY	N/A	\$ 300,000	\$ 360,000	1	\$ 360,000	-	-
SW-MS-04	S04	Asphalt Pavement Improvements/Re-Configuration at Secondary Lot/BB Court, Light Du	900	SY	N/A	\$ 79,000	\$ 94,800	1	\$ 94,800	-	-
SW-MS-05	S05	Asphalt Pavement Improvements at Rear Drive Behind Building, Widen Driveway Width	1,150	SY	N/A	\$ 87,000	\$ 104,400	3	-	-	\$ 104,400
SW-MS-06	S06	Asphalt Pavement Improvements at Entrance Drive to Main Lot & Bus Loop	1,200	SY	N/A	\$ 90,000	\$ 108,000	2	-	\$ 108,000	-
SW-MS-07	S07	Asphalt Pavement Improvements at Bus Loop, Heavy Duty	3,400	SY	N/A	\$ 362,000	\$ 434,400	2	-	\$ 434,400	-
SW-MS-08	S11	Improve Drainage System at Playfields East of Building	1	LS	N/A	\$ 63,000	\$ 75,600	3	-	-	\$ 75,600
SW-MS-09	S12	Add 6" Topsoil at Bare Spots at Playfields West of Building	1	LS	N/A	\$ 25,000	\$ 30,000	2	-	\$ 30,000	-
		Subtotal- Middle School					\$ 1,369,200		\$ 604,800	\$ 584,400	\$ 180,000
		Primary School									
SW-PS-01	S01	Upgrade Water Service Piping	1	LS	N/A	\$ 177,000	\$ 212,400	3	-	-	\$ 212,400
SW-PS-02	S02	Replace Poles at Parking Lot Light Fixtures	1	LS	N/A	\$ 75,000	\$ 90,000	3	-	-	\$ 90,000
SW-PS-03	S03	Provide Additional Playground Equipment	1	LS	N/A	\$ 188,000	\$ 225,600	3	-	-	\$ 225,600
SW-PS-04	S05	Replace Asphalt Pavement at Play Area	4,180	SF	N/A	\$ 95,000	\$ 114,000	2	-	\$ 114,000	-
SW-PS-05	S06	Remove & Replace Wood Borders	450	LF	N/A	\$ 29,000	\$ 34,800	3	-	-	\$ 34,800
SW-PS-06	S07	Provide Topsoil, Seed & Mulch at Playfields	4,000	SY	N/A	\$ 25,000	\$ 30,000	1	\$ 30,000	-	-
		Subtotal- Primary School					\$ 706,800		\$ 30,000	\$ 114,000	\$ 562,800
		Maintenance Building									
SW-MB-01	S01	Provide Concrete Bollards to Protect Fuel Tank	1	LS	N/A	\$ 10,000	\$ 12,000	2	-	\$ 12,000	-
		Subtotal- Maintenance Building					\$ 12,000		\$ -	\$ 12,000	\$ -
SUBTOTAL - SITE INFRASTRUCTURE							\$ 3,387,000	\$ 4,064,400	\$ 1,318,800	\$ 1,398,000	\$ 1,347,600

SUBTOTAL	ITEM COST	PHASE 1	PHASE 2	DEFERRED
\$ 33,263,887	\$ 39,970,700	\$ 16,499,200	\$ 15,990,900	\$ 7,480,600

NOTES:

Items marked with an Asterisk denote unsatisfactory items from the 2015 BCS.

Subtotal column includes General Conditions (8%), Insurance & Bonds (3.6%), Escalation (9%), Construction Contingency (5%), and Design Contingency (10%)

Items Cost column includes District Incidentals (20%)